

Amendments to the Claims

The listing of claims will replace all prior versions, and listings of claims in the application.

1. (currently amended) A method for obtaining human erythropoietin comprising:

(a) culturing and expanding mammalian cells selected from the group consisting of CHO, COS, BHK, Namalwa, and HeLa cells which express recombinant human erythropoietin in culture medium comprising serum;

(a) (b) culturing mammalian said cells of step (a) in culture medium consisting of: selected from the group consisting of CHO, COS, BHK, Namalwa, and HeLa cells which express recombinant human erythropoietin in culture medium, wherein said culture medium consists of:

(i) DMEM (Dulbecco's modified Eagle's medium);

(ii) F12 medium;

(iii) insulin; and

(iv) NaHCO₃, glucose, lactose, galactose, ethanolamine, pyruvate, glutamine, tryptophan, asparagine, and serine as additives; and

(c) separating supernatant containing human erythropoietin from said cells of step (b); and

(b) (d) obtaining concentrating said supernatant and recovering human erythropoietin from said culture medium supernatant.

2. (canceled)

3. (currently amended) The method of claim 1, wherein said mammalian cells comprise CHO cells.

4. (currently amended) The method of claim 1, wherein said culture medium of step (b) comprises greater than about 1 mg insulin per liter of culture medium.

5. (currently amended) The method of claim 1, wherein said culture medium of step (b) comprises less than about 20 mg insulin per liter of culture medium.

6. (canceled)

7. (currently amended) The method of claim 1, wherein said obtaining recovering comprises[[:]]

(i) — ~~separating supernatant comprising EPO and insulin from said cells;~~
(ii) — ~~concentrating supernatant of step (i); and~~
(iii) — ~~freezing the concentrated product of step (ii) supernatant.~~

8. (currently amended) The method of claim [[7]] 1, wherein media said culture medium of step (b) is added to said separated cells of step (i) (c) and said cells are cultured.

9. (currently amended) The method of claim [[7]] 1, wherein said supernatant of said step (i) is concentrated from about 50 to 150 fold.

10. (currently amended) The method of claim [[7]] 1, wherein said supernatant of ~~said~~ step (i) is concentrated about 100 fold.

11. (currently amended) The method of claim [[7]] 1, wherein ~~said~~ step (ii) concentrating comprises using a tangential filtration system through membranes with a molecular weight cut-off of about 3,000 Daltons.

12. (currently amended) The method of claim 7, wherein said recovering further comprising (iv) comprises sterile filtering the concentrated ~~product of~~ step (iii) supernatant through membranes with pores of diameters of about 0.2 μ m.

13. (currently amended) The method of claim 1, wherein said culture medium of step (b) comprises about 10 mg insulin per liter of culture medium.

14-15. (canceled)

16. (previously presented) The method of claim 1, wherein said pyruvate is sodium pyruvate.

17-19. (canceled)

20. (previously presented) The method of claim 1, wherein said DMEM is Iscove's DMEM and wherein said F12 medium is HAM's F12 medium.

21-22. (canceled)